

## **ABSTRACT**

Quaternary ammonium carbonates, bicarbonates, and mixtures thereof as anti-corrosive agents. The present disclosure relates to a method for inhibiting the corrosion of metal surfaces by applying a composition containing one or more quaternary ammonium carbonate or bicarbonate. The disclosure is also directed to anti-corrosive coatings for metal substrates containing these compounds, to metal substrates having these anticorrosive coatings, and to aqueous cleaning solutions containing these compounds.